

Name _____

Unlocking the Mystery of Mean, Median, and Mode

Short Answer Key

1. The mean is the average value in a data set, calculated by adding up all the numbers and dividing by the total count.
Example: Mean of 3, 5, and 7 is $(3 + 5 + 7) / 3 = 15 / 3 = 5$.
2. The median is determined by finding the middle value when the numbers are arranged in numerical order.
3. The mode is 8, as it appears more frequently than any other number.
4. The mode is used when identifying the most frequently occurring value in a data set, such as in analyzing survey responses or counting the number of goals scored by a soccer team.
5. The median is less affected by outliers because it is determined by the middle value in a data set, regardless of extreme values. Outliers can significantly impact the mean because they affect the total sum used in the calculation.

